

IN THE CLAIMS

1. (currently amended) A magnet arrangement for a magnetic levitation vehicle (1) comprising at least one magnetic pole (11) consisting of a core (14) and a winding (12), a control circuit (18) connected to the winding (12) and a power supply unit (23,24; 24, 41; 24, 47) for supplying at least the electrical energy required for the control circuit (18), characterized in that the magnet arrangement is constructed an autonomous modular unit integrating within itself the magnetic pole (11), the control circuit (18) and the power supply unit (23, 24; 24, 41; 24, 47), so that the magnet arrangement combines all components in itself which are needed to lead to a status of levitation.

2. (previously presented) A magnet arrangement for a magnetic levitation vehicle (1) comprising at least one magnetic pole (11) consisting of a core (14) and a winding (12), a control circuit (18) connected to the winding (12) and a power supply unit (23,24; 24, 41; 24, 47) for supplying at least the electrical energy required for the control circuit (18), characterized in that the magnet arrangement is constructed as an autonomous modular unit integrating within itself the magnetic pole (11), the control circuit (18) and the power supply unit (23, 24; 24, 41; 24, 47), characterized in that the magnet arrangement further comprises a magnet back box (15, 15a) destined for being fastened to a car body (17) of said magnetic levitation vehicle (1), and that the control circuit (18) as well as the power supply unit (23, 24) are accommodated in the magnet back box (15).

3. (previously presented) A magnet arrangement according to Claim 1, characterized in that the magnet arrangement is constructed of a plurality of magnet poles (11), whose windings (12) are electrically connected in series and connected with the control circuit (18).

4. (original) A magnet arrangement according to Claim 3, characterized in that the magnet poles (11) are combined to form at least two groups of magnet poles each group being connected to an associated control circuit (18), and that both control circuits (18) are integral parts of the modular unit.

5. (previously presented) A magnet arrangement according to Claim 1, characterized in that the power supply unit comprises a winding (23) of a linear generator at least in one magnet pole (11a).

6. (previously presented) A magnet arrangement according to Claim 1, characterized in that the power supply unit comprises at least one pick-up coil (47) for a contact-less inductive transmission of energy.

7. (previously presented) A magnet arrangement according to Claim 1, characterized in that the power supply unit comprises of least one current collector (41).

8. (previously presented) A magnet arrangement according to Claim 2, characterized in that the magnet back box (15) is constructed designed as a hollow

body and that the control circuit (18) and/or at least the voltage converter (24) of the power supply unit are inserted as drawer-like units (30) into the magnet back box (15).

9. (previously presented) A magnet arrangement according to Claim 1, characterized in that the magnet arrangement is constructed as a support magnet (5) and/or a guidance magnet (9).

10. (previously presented) A magnet arrangement according to Claim 4, characterized in that the magnet poles (11) form a group each, individually or in pairs.

11. (previously presented) A magnet arrangement according to Claim 3, characterized in that each linear generator is connected to a voltage converter (24) of the power supply unit accommodated in the modular unit.

12. (previously presented) A magnet arrangement according to Claim 1, characterized in that the power supply unit comprises at least one buffer battery integrated in the modular unit.

13. (previously presented) A magnet arrangement according to Claim 9, characterized in that the magnet arrangement is constructed as a module comprising the support magnet (5) and the guidance magnet (9).

14. (previously presented) A magnet arrangement for a magnetic levitation vehicle (1) comprising at least one magnetic pole (11) consisting of a core (14) and a winding (12), a control circuit (18) connected to the winding (12) and a power supply unit (23,24; 24, 41; 24, 47) for supplying at least the electrical energy required for the control circuit (18), characterized in that the magnet arrangement is constructed as an autonomous modular unit integrating within itself the magnetic pole (11), the control circuit (18) and the power supply unit (23, 4; 24, 41; 24, 47), configured as a support magnet (5) and/or a guidance magnet (9), wherein said support magnet and/or guidance magnet comprises a module, and wherein said support magnet (5) and/or guidance magnet (9) comprise a magnet back box (15) into which all the control circuits (18) and power supply units (23, 24; 24, 41; 24, 47) needed for the module are integrated.

15. (previously presented) A magnet arrangement according to Claim 2, comprising a plurality of magnet poles (11), whose windings (12) are electrically connected in series and connected with the control circuit (18).

16. (previously presented) A magnet arrangement according to Claim 15, characterized in that the magnet poles (11) are combined to form at least two groups of magnet poles each group being connected to an associated control circuit (18), and that both control circuits (18) are integral parts of the modular unit.

17. (previously presented) A magnet arrangement according to Claim 16, characterized in that the magnet poles (11) form a group each, individually or in pairs.

18. (previously presented) A magnet arrangement according to Claim 15, characterized in that each linear generator is connected to a voltage converter (24) of the power supply unit accommodated in the modular unit.

19. (previously presented) A magnet arrangement according to Claim 2, characterized in that the power supply unit comprises a winding (23) of a linear generator at least in one magnet pole (11a).

20. (previously presented) A magnet arrangement according to Claim 2, characterized in that the power supply unit comprises at least one pick-up coil (47) for a contact-less inductive transmission of energy.

21. (previously presented) A magnet arrangement according to Claim 2, characterized in that the power supply unit comprises of least one current collector (41).

22. (previously presented) A magnet arrangement according to Claim 2, characterized in that the power supply unit comprises at least one buffer battery integrated in the modular unit.

23. (currently amended) A magnetic levitation vehicle having a plurality of magnet arrangements, each magnet arrangement comprising at least one magnet pole (11) consisting of a core (14) and a winding (12), a control circuit (18) connected to the winding (12) and a power supply unit (23; 24; 24, 41; 24, 47) for supplying at least the electrical energy required for the control circuit (18), characterized in that the magnet arrangement is constructed as an autonomous modular unit integrating within itself the magnetic pole (11), the control unit (18) and the power supply unit (23, 24; 24, 41; 24, 47), so that the magnet arrangement combines all components in itself which are needed to lead to a status of levitation.

24. (new) A magnet arrangement for a magnetic levitation vehicle (1) comprising at least one magnetic pole (11) consisting of a core (14) and a winding (12), a control circuit (18) connected to the winding (12) and a power supply unit (23,24; 24, 41; 24, 47) for supplying at least the electrical energy required for the control circuit (18), characterized in that the magnet arrangement is constructed an autonomous modular unit integrating within itself the magnetic pole (11), the control circuit (18) and the power supply unit (23, 24; 24, 41; 24, 47), so that the magnet arrangement combines all components in itself which are needed to lead to a status of levitation, without sharing any of said components with another magnet arrangement.

25. (new) A magnetic levitation vehicle having a plurality of magnet arrangements, each magnet arrangement comprising at least one magnet pole (11) consisting of a core (14) and a winding (12), a control circuit (18) connected to the

winding (12) and a power supply unit (23; 24; 24, 41; 24, 47) for supplying at least the electrical energy required for the control circuit (18), characterized in that the magnet arrangement is constructed as an autonomous modular unit integrating within itself the magnetic pole (11), the control unit (18) and the power supply unit (23, 24; 24, 41; 24, 47), so that the magnet arrangement combines all components in itself which are needed to lead to a status of levitation, without sharing any of said components with another magnet arrangement.